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- 54) Active acoustic control system matching model reference.
- (57) An acoustic system (20) includes a model reference (22) having a selectably programmable response, and an active model (24) including in combination an acoustic path (26) and an adaptive filter (28) such that the combination of the acoustic path (26) and the adaptive filter (28) adaptively models the model reference (22) such that the combined response of the acoustic path (26) and the adaptive filter (28) provides an active model response matching the response of the model reference (22).

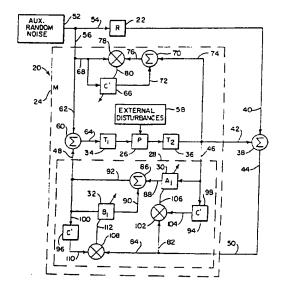


FIG. I



## **EUROPEAN SEARCH REPORT**

Application Number EP 94 30 0769

DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document with indication, where appropriate,		Relevant	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)	
Category	of relevant pas	erfe	to claim	APPLICATION (IBI.CL.5)
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A	JOURNAL OF THE ACOUS AMERICA, vol.91, no.5, May 19 pages 2740 - 2747 F. ORDUÑA-BUSTAMANTE adaptive controller absorption of sound	992, NEW YORK US  & P.A. NELSON 'An for the active	1	
A	WO-A-91 13429 (NOISE TECHNOLOGIES)	E CANCELLATION		
A	US-A-2 043 416 (P. L	LUEG)		
A	GB-A-2 088 951 (LORI	0)		TECHNICAL FIELDS SEARCHED (Int.Cl.5)
				G10K
	The present search report has be	en drawa up for all claims		
Place of search		Date of completion of the search		Economic
	THE HAGUE	18 August 1995	Alb	ertsson, E
X : par Y : par doc A : tec	CATEGORY OF CITED DOCUMEN ticularly relevant if taken alone ticularly relevant if combined with ano- ument of the same category hasological background rewritten disclosure	E : earlier patent docu after the filing date	ment, but public the application other reasons	ished on, or